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MANUFACTURE OF SHELL FOR HEARING  
AID

## Abstract:

**PROBLEM TO BE SOLVED:** To miniaturize a hearing aid, to facilitate and to reduce man-hour by integrally forming a shell main body for hearing aid and flanges for fixing a face plate to the end part of the shell main body for hearing aid by a screw and the like with R.P.S.

**SOLUTION:** An ultraviolet laser 4 is moved based on two-dimensional data on flange parts 5, which are previously collected and are peculiar to a user. Photosensitive resin liquid 1 in an objective position is irradiated with an ultraviolet laser beam 6, photosensitive resin liquid 1 is hardened and one layer of the shell is formed. A stand 3 sequentially descends one layer by one whenever one layer of the shell is formed. The process is repeated and the flange parts are manufactured. When the shell main body 7 is generated in the same way as the flange parts 5 based on three-dimensional data of the shell main body 7, which is previously collected and is peculiar to the user, the shell constituted of the flange parts 5 and the shell main body 7 is integrally manufactured. The hearing aid can be miniaturized and the shells adjusted to the forms of the users can be manufactured. Then, the face plate can easily be attached detached to/from the shell.

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